Spectrum Frontiers is a Boon to Industry and Devastation to Public Health

Please see the following letters from people emailed to the FCC and Congressional staff calling for a halt to Spectrum Frontiers

The 5G rollout plan is a dangerous, public health and safety threat. The FCC and industry has IGNORED the thousands of studies that confirm the problems, cancers and deaths of many from wifi-radiation cellular/smart meter technology. The 5G rollout is a telecom industry free-for-all - with NO GOVERNMENT OVERSIGHT.

THE FCC and INDUSTRY WILL BE HELD ACCOUNTABLE - it's only a matter of time. Do not allow this dangerous 5G rollout.

1) 34 Scientific Studies Showing Adverse Health Effects From Wi-Fi:

http://wifiinschools.org.uk/30.html

2) Several thousand studies that indicate a biological effect and/or harm:

http://www.powerwatch.org.uk/science/studies.asp

http://www.justproveit.net/studies

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4) Apple manual states to keep your iPhone away from your body at all times:

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5) Study: Mobile phones are cooking men's sperm:

http://www.telegraph.co.uk/news/health/news/12167957/Mobile-phones-are-cooking-mens-sperm.html

6) Brain surgeon Dr Charlie Teo warns against mobiles, wireless home appliances:

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7) American Academy of Pediatrics warns: Limit children's exposure to cellphones:

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11) Insurance giant Swiss RE has given electromagnetic frequencies the HIGHEST possible long term risk rating:

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21) Cell Phone Radiation Boosts Cancer Rates in Animals; \$25 Million NTP Study Finds Brain Tumors

http://microwavenews.com/news-center/ntp-cancer-results

Dear Decision Maker,

The following chart provides more than ample evidence why the stated lack of increase in brain cancer is a CELL PHONE industry promoted non-truth.

Thanks for listening,

Dave

Dear Decision Maker,

Although the Spectrum Frontiers Proceeding is being represented as an unqualified good, there has been no NEPA review of the health impacts of 5G networks. In our rush to be the first to roll out 5G and reap the claimed economic benefits, let's not forget that ignoring health risks 5G networks may pose could be a huge economic liability.

Recent findings from the NTP (National Toxicology Program) Study linking cellphone radiation to cancer suggest caution in the use of wireless technologies. The American Cancer Society's Chief Medical Officer, Otis Brawley, said the NTP study results mark a "paradigm shift in our understanding of radiation and cancer risk." He called the NTP report "good science."

Surely this is not the time to ramp up radiofrequency exposure to the general population. Governmental agencies throughout the world have issued cautionary advice regarding wireless exposures, including governments of Austria, Belgium, Finland, France, Germany, Greece, Israel, Switzerland, and Sweden.

Please note links to recent articles about the NTP study by Devra Davis, PhD. and 'Scientific American' which you may find useful in determining your position.

http://blog.oup.com/2016/06/cancer-from-cell-phone-radiation-ntp-report/

http://www.scientificamerican.com/article/major-cell-phone-radiation-study-reignites-cancer-questions/

Thank you for your attention and concern.

To Whom it May Concern,

I am not just asking but BEGGING you to halt the roll out of 5G technology now! 2 years ago I developed a disability known as 'Electro Hyper Sensitivity' or 'EHS' Suddenly I began to have SEVERE debilitating reactions to all things wireless, including my own 'smart' phone and the neighbor's wifi. I developed reactions like migraine headaches, chest pains, nausea, insomnia, memory and concentration issues and feelings of electrocution in my hands and arms when holding a cell phone. I had to get rid of the phone, and eventually move to a very rural area 3,000 miles from my home in order to find a place without ubiquitous radio frequencies to find some kind of reprieve.

I lost my job, friends, family, home. If not for a supportive partner I would likely have lost my life. Unfortunately my story is not unique and an increasing percentage of the world's population is becoming similarly effected as their bodies reach threshold levels of EMF radiation exposure and become sensitized to various sources of EMFs, but in most cases the stronger sources, especially on the high frequency spectrum cause the most pain.

There are stories every day of people committing suicide because they feel so helpless and unable to find safe places to live as the wireless industry pushes further products and with those products the supporting networks on our population, when they are fully aware of the biological effects, health and safety hazards of microwave radiation used for their products. Tom Wheeler is now chair of the FCC? How is that possible? He was the head of the wireless industry's main lobby group for several years and rejected sound scientific data from his own hired research group in the 1990s who found that cell phone radiation can indeed cause brain tumors and other dangerous health effects. He is clearly biased toward the wireless industry and should therefore not be head of the FCC.

There are literally thousands of peer reviewed scientific studies proving the hazards of wireless radiation. There are NO studies PROVING the safety of such products.

We are already saturating our planet with EMF pollution that is affecting the health of not just the human population but animals and plants everywhere. 5G is a stronger higher frequency that will no doubt increase the suffering of people and other life forms in a devastating irreversible way. This technology is hardly NEEDED by anyone.

To ignore the evidence in re. to the dangers of this technology is extremely foolhardy and short sighted.

Everyone will be affected with the rise of diseases like Autism, Hypertension, Diabetes, ADHD, Alzheimer's, Dementia (and esp. early onset Dementia), Arthritis, Cancers and tumors of all kinds and other chronic illnesses like migraine headaches, insomnia, fibromyalgia, etc. There is conclusive evidence that microwave radiation significantly contributes the rise in the incidences of these diseases and in many cases has been proven as the only cause.

The industry presents us with NO evidence that their products are safe. Instead they rely solely on efforts to dismiss and refute sound scientific evidence to the contrary and 'plausible deniability'.

People who can no longer tolerate exposure to radio frequencies have almost nowhere left to go. This is forcing exposure of microwave radiation on the entire population, something even the World Health Organization classifies as a possible carcinogen. What if one wishes to avoid possible and known carcinogens? (Because in spite of the WHO's classification as 'possibly' carcinogenic as they too are under a lot of pressure from the wireless industry to NOT label it as what it actually is, a KNOWN CARCINOGEN) What if one wishes to NOT use a cell phone or be exposed to WIFI and

WIMAX and Cell Towers and wishes to exercise the precautionary principle? Increasingly they are unable to make that choice, this has been forced on all of us. It is worse than second hand cigarette smoke as it penetrates buildings and is really impossible, especially in any practical sense, to shield from.

The roll out of 5G will make it in fact impossible for anyone to get away from this radiation. It will go down in history books as a genocide once the truth is uncovered.

This may sound dramatic to some of you or 'alarmist' but if you feel that way it only shows your ignorance to the facts or simply your level of corruption.

I have EHS and have had to isolate myself to a rural area, unable to go into any town without extreme pain. My life has be severely disrupted. I can no longer pursue the things I was pursuing and want to pursue. I have lost my constitutional rights, I have lost my freedom. There are millions of others like me being denied their rights.

Sweden was the first country back in 2000, already 16 years ago to declare EHS a disability. Any country in the UN legally is supposed to do the same and make accommodations for us. So far I don't see that happening. I not only am unable to collect any disability but I cannot go into any store (as they all seem to have Wifi in them now) or public building.

If you don't know about the scientific proof in re. to the dangers of wireless radiation, please see - http://www.bioinitiative.org

Thank you for your time, and I do hope, maybe beyond hope, that at least one of you will not only read this letter but take it seriously and take to heart these concerns to the point of educating yourself on this matter and more importantly halting the rollout of 5G.

Thank you,

Shannon

I am writing to strongly encourage you to reconsider the "5G" experiment in human health, especially because of our children. There is significant scientific evidence that this type of radiation (such as smart meter radiation) damages human health on multiple levels. This isn't rational progress and is creating a huge liability for all of you when the damage is further revealed through this experiment. **All will be held accountable and liable for their actions** because of the warnings science has accumulated, and because of these legal NOTICES of the same. There can be no excuse for progressing into this, especially when there is now technology that eliminates this wireless radiation form.

We are tired of corporate corruption and manipulation for profit... and we are acting.

Please listen to the US Government's own NTP - whose cancer study concluded that cellular radiation DOES increase cancer. Protect your own health and those of your constituents and vote NO to 5G!

Thank you.

As a parent of special needs children, I have seen first hand how devastating the increase in wireless technology is for our health.

Please put public safety as your priority before financial gains for only a few. Now is the time for you to be on the forefront and be a leader for public interest. The science is very clear, and I beg you to make the decision you know is best- your health and the health of your loved ones.

If you would like further proof on this topic, please see the links below. Thank you for your dedication to making smart decisions that affect each one of us!

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I am a citizen in Pacifica, CA, writing to express opposition to the above proposal, slated to be discussed tomorrow. We are already being blanketed with microwave radiation from cellular and wifi that numerous studies show are harming animal health and causing cancer and we should not add more exposure via 5G.

Gentlemen.

Who speaks for and protects the health of the population of the USA if government officials work in favor of an industry gone rampant? The G5 plan is crazy and will force many US citizens to seek a place to live elsewhere on this globe, simply for health reasons.

Respectfully,

Hello.

There is a large body of biological research studies demonstrating bad effects from radio frequency radiation (RF, RFR). RF is essentially anything that is wireless and includes cell phones, cell towers, utility smart meters, home wireless routers, cordless phones, Wi-Fi hot spots, baby monitors, and more.

The wireless industry has choosen to ignore these - because the ill effects are not immediate - though there are some people who do experience adverse symptoms when exposed to every-day levels of RF. Symptoms include nausea, headaches, disorientation, body aches, etc. Children are particularly susceptible. There should be no RF in elementary schools.

The Federal Communications Commission (FCC) has shirked their responsibility. They have jurisdiction over RF. A recent Harvard research report labeled the FCC as a "captured agency" - captured by the industry it supposedly regulates.

BUT NOW...

We have important new evidence - a two-year, \$25M study from the National Toxicology Program (NTP) of the National Institute of Health (NIH) that demonstrated the link between RF exposure and cancer in laboratory animals!

IN SPITE OF THIS...

The FCC wants to significantly raise our collective exposure by deploying 5G wireless cell phone networks, a massive increase in the number of RF emitting antennae, and connecting all electronic devices via Wi-Fi wireless (i.e, IoT, Internet of Things).

As Harvard said, the FCC is a "captured agency" - and they must be stopped.

And now we have the new NIH study. How does one responsibly ignore that?

Say "NO" to more RF.

Each of you who claim you represent "we the people" have an obligation to listen to our pleas and read our documentation, proving that this technology is NOT safe. The Telecommunications Industry KNOWS this - beyond a doubt. Obama appointed Tom Wheeler as the Director of the FCC intentionally - he is definitely the man for this job and he will do whatever it takes to move forward with this pulsing microwave radiation technology - at ALL COST.

I urge you to consider the lives of children, young adults and future generations. I urge you to please NOT allow this forceful use of technology to move forward. Educate yourselves. If you bother to do so, you will begin to see the truth.

You will be held personally liable moving forward - by "we the people" - if you do not listen now to science and reason. Below you will find links to both.

Please, do your job and think about how you can be a hero and not a zero. Otherwise, if you make unwise decisions, you will be held accountable. Lawsuits are already popping up all over the nation. Be one of the "smart" people and help the rest of the population to stop this madness - NOW!

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To the NIH, FDA, and CDC:

Sincerely,

Please oppose 5G.

In May, the National Toxicology Program released partial results of its study on cell phone radiation and rats.

1 in 12 male rats, 46 out of 540, developed glioma, schwannoma, or pre-cancerous lesions, and at the lowest exposure tested, 1 in 15 male rats, 12 out of 180, developed glioma, schwannoma, or pre-cancerous lesions. This is very serious. The exposure levels were tested to insure they did not raise body temperature, and therefore, these effects are not thermally caused.

This is critical for four reasons:

- 1. FCC exposure limits are only based on thermal effects, not on biological effects. They are also modeled on a large man.
- 2. Wireless devices are only tested for compliance with FCC limits; they are not safety tested.
- 3. The FCC is planning a rapid roll out of a new wave of wireless technology 5G which will vastly increase the public's exposure to this radiation. 5G antennas are already being installed in cities such as San Francisco and legislatively pushed in California.
- 4. The NTP study relates to children's exposure. The rats were tested from the time they were in utero for 2 years. Children are now exposed from conception throughout their lives, with wireless technology installed in schools, and they live and sleep in this radiation all day.

This study shows that current FCC exposure limits are not relevant and not protective of the public. This puts all of us, especially children, at ongoing grave risk. The Department of Interior two years ago said that FCC limits were outdated[i]:

[T]he electromagnetic radiation standards used by the Federal Communications Commission (FCC) continue to be based on thermal heating, a criterion now nearly 30 years out of date and inapplicable today.

The American Cancer Society immediately issued a statement congratulating the NTP for the quality of this study and its review, calling it good science. Ken Foster of the Institute of Electrical and Electronics Engineers (IEEE) said this study will change the conversation, will cause cautionary statements by officials, will probably cause radiofrequency electromagnetic radiation to be added to the list of carcinogens in California, and will probably increase the WHO designation to a Class 2A probable carcinogen -- high praise from a professional organization that promotes technology.

The public needs a public statement from your agencies on the seriousness of the NTP findings.

Furthermore, a moratorium on further wireless deployment is urgently needed. The public is already impacted by existing wireless exposure. Electrohypersensitivity (EHS) is recognized by the federal Job Accommodation Network, Federal Access Board, and internationally, and its

incidence is rising. There are cancer clusters around cell towers. The NTP research results are at last federal scientific recognition that there is a serious problem.

Please take action now. Halt 5G and the deployment of new wireless technologies while existing impacts are examined. Since current devices are not safety tested, we are in a very, very dangerous situation, having relied on FCC assurances of safety. Those assurances are now proven false, and FCC Chairman Tom Wheeler, former chief lobbyist for the wireless industry, is rushing to deploy more wireless technology before the ax falls on him and his agency from health authorities.

I'd be happy to answer any questions from a public perspective. I have been following the research and actions taken internationally since 2008. I am relieved to see U.S. scientific courage such as that displayed by the National Toxicology Program team.

I have attached Dr. Ronald Melnick's letter to the New York Times, correcting its misinformation about the study, which the NYT has not printed. Also attached is information on the study from Dr. Joel Moskowitz of UC Berkeley, as well as my own article. Also included is the 2002 EPA letter from Norbert Hankin on FCC guidelines in case you haven't seen it.

,
look forward to hearing from you.
Thank you.
Sincerely,
Nina
Please do not let the FCC move forward with a plan to introduce 5G Spectrum technology. We do not need this technology and the precautionary principle must be applied first. You need to prote

Please do not let the FCC move forward with a plan to introduce 5G Spectrum technology. We do not need this technology and the precautionary principle must be applied first. You need to protect our health above all else! You were wrong on the effects of Cell Phone radiation - the truth which was suppressed for many years is coming out now, albeit it is being dumbed down. Many of us knew a long time ago that these types of radiation are harmful because of the effects we have felt in our bodies.

Please stop this insane march forward of a technology that is created by spiritually bereft people whose motives are profit and control at any cost.

Louise Hummingbird

I am an educator and social worker, and have researched the effects of current wireless technologies on DNA, the human brain and the functioning of many other species. I stand with Parents for Safe Technology

and the advocacy group, We Are The Evidence in urging the Senate and Congress to sat STOP to the FCC and Wheeler in the 5G vote.

There is ample sound scientific research to back the complaints of the legions of us who say that the escalating levels of wireless radiation to which we are all exposed now daily in our communities, schools, libraries, workplaces and homes is doing serious harm to us. The recent National Toxicology study is only the latest piece of research; a mounting tide of information on the harmful effects of the microwave radiation from cell phones and other wireless devices that we can't afford to ignore.

If you, the members of committees, the senate and congress have not had time to review and digest this information adequately then i also urge you to do the responsible thing and refuse to vote for the 5G rollout; refuse to be pressured into saying "yes" without seeing the information that is causing concern to scientists all over the world.

I thank you in advance for your time a Elizabeth	nd attention.

Dear Sirs or Madams,

I am a technical translator and rewriter living in Japan, and a former service member of the US Air Force.

I am writing to urge you to oppose Spectrum Frontiers 5G on health grounds. Since 1996 I have been aware of health effects from exposure to radiofrequency radiation at levels that are commonly permitted in our living environment, because they are too low to cause significant heating.

I am pretty sure that you are aware of the controversy, because so many people have already been affected so badly by the rollout of mobile communications technology that they have been forced to leave their homes and have undoubtedly protested to you about the loss of their right to a healthy environment. Furthermore, study after study is published that further demonstrates a causal relationship between radiofrequency radiation and serious health issues, including malignant brain cancer (the recent findings of the National Toxicology Program). Known effects such as depression, insomnia and Alzheimers disease are becoming so common they are presenting a health care crisis that, along with other environment-related illnesses, threatens to bankrupt the US and Japan, as I know, and probably other countries as well.

How could appear in good conscioned promote an exacerbation of already dire circumstances?

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You can be sure that we the affected who are aware that the cause of our ongoing health problems is the burgeoning use of radiofrequency radiation in environments where we are forced to spend time will downatever it takes to redress this issue, including civil and criminal proceedings. This has really gone too falready, and now you are poised, while cognizant of the dangers, to push it to a new extreme.
Please oppose 5G.
Sincerely,
Patricia

Dear Sirs and Madams;

I am writing with my concerns about the proposed 5G Spectrum Frontiers plan as put forth by Tom Wheeler. I am concerned about all of the scientific evidence suggesting that exposure to electromagnetic fields can pose health risks. People have a right to determine what they are exposed to, especially if there is a health risk. Just as it would be a violation of people's rights to put medication in our water supply, it would be a violation of our rights to set up an infrastructure of continuous wireless radiation that we cannot get away from. There are people who are made ill by this radiation, and under 5G the numbers will surely escalate. Please see below the evidence against this proposal. Personally, the idea of our entire infrastructure being controlled by a cloud technology is terrifying. All we need is a terrorist or one of the millions of sociopaths out there being able to hack into the network to bring down everything. It's a bad idea. Please vote against 5G tomorrow.

Sincerely,

Deborah

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- 5) Study: Mobile phones are cooking men's sperm:

http://www.telegraph.co.uk/news/health/news/12167957/Mobile-phones-are-cooking-mens-sperm.html

- 6) Brain surgeon Dr Charlie Teo warns against mobiles, wireless home appliances: http://www.news.com.au/technology/brain-surgeon-dr-charlie-teo-warns-against-mobiles-home-appliances/story-e6frfro0-1225791947213
- 7) American Academy of Pediatrics warns: Limit children's exposure to cellphones: http://www.today.com/video/pediatricians-warn-limit-childrens-exposure-to-cellphones-559871555807
- 8) More than 60 international warnings on Wi-Fi and microwave radiation: http://www.safeinschool.org/2011/01/international-warnings-on-wi-fi.html
- 9) A List of Teacher Unions and Parent Teacher Organizations Taking Action On Wi-Fi (USA, Canada, UK, etc):
- http://safetechforschoolsmaryland.blogspot.com/2016/02/teacher-unions-and-parent-teacher.html
- 10) TED Talk from a former Environmental Engineer in Silicon Valley: https://www.youtube.com/watch?v=F0NEaPTu9ol
- 11) Insurance giant Swiss RE has given electromagnetic frequencies the HIGHEST possible long term risk rating:
- https://takebackyourpower.net/major-insurance-firm-swiss-re-warns-of-large-losses-from-unforeseen-consequences-of-wireless-technologies/
- 12) Another insurance giant, Lloyd's of London, will not insure anything wireless: http://www.naturalhealth365.com/wi-fi-radiation-electromagnetic-fields-lloyds-of-london-1356.html
- 13) Risk Management Magazine The Invisible Threat: Radiofrequency Radiation Risk http://www.rmmagazine.com/2010/08/01/the-invisible-threat-radiofrequency-radiation-risk/
- 14) US CDC retracts cellphone radiation warning following pressure from industry lobbyists:
- http://microwavenews.com/news-center/caution-vs-precaution
- 15) WHO involved in suppression of additional science showing harm, since 2011: https://takebackyourpower.net/tag/who/
- 16) Study Uncovers How Electromagnetic Fields Amplify Pain in Amputees www.utdallas.edu/news/2016/2/3-31891 Study-Uncovers-How-Electromagnetic-Field s-Amplify- story-wide.html
- 17) CEO of 1 Billion-dollar U.K. company speaks out on microwave sickness: https://www.youtube.com/watch?v=g4DKNs0G2kU
- 18) Dozens of specific scientific abstracts that all show harm:
- http://emfsafetynetwork.org/shortcut-to-science/
- 19) Solutions: Reducing Wirelesss Radiation and EMF http://www.youtube.com/watch?v=YWCk7RYGGS4
- 20) Solutions: Reducing Your EMF Exposure

http://www.emfanalysis.com/solutions-interview/

21) Cell Phone Radiation Boosts Cancer Rates in Animals; \$25 Million NTP Study Finds Brain Tumors

http://microwavenews.com/news-center/ntp-cancer-results

I strongly oppose Federal Communications Commission's untested, dangerous, irresponsible, move to 5G wireless networks. According to growing bodies of evidence around the world, the effects on public health and well-being as a result of such a deployment promise to be devastating.

As you must know, a recent National Toxicology Program (NTP) study revealed initial findings clearly establishing that **2G** cell phone radiation causes DNA damage and carcinogenic effects. Further results on the toxicology and carcinogenesis of RFR will be forthcoming in the next two years. *The NTP chose to release these preliminary findings now "because of their importance for public health."* The NTP study follows in the wake of decades of *independent*, peer-reviewed studies that show adverse health effects from wireless radiation.

While many other countries are currently moving to lower public exposure, FCC Chair Tom Wheeler intends to increase it. Wheeler not only disregards the independent science, but wants to *fast track* a move to **5G**.

5G will use higher frequencies than the public has ever been exposed to before; and Independent scientists and health experts were not consulted about the effects of these new frequencies or the density of the incumbent infrastructure. Neither were the American people consulted about whether we would want to sell our health and well being in exchange for a gain of a few milliseconds in Internet speed, and an intrusive, cumbersome "Internet of Everything" that would require us to accept health-destroying, cancer causing, radiation-emitting devices on every home or lamppost.

This is insane.

Although for three decades the FCC has maintained that radiofrequency microwave radiation is safe because it does not heat tissue, the overwhelming consensus of *independent* science is that *significant bio-effects occur even in the absence of tissue heating*. The recent and ongoing NTP study specifically uses non-thermal levels of exposure and has already released findings of

harms from such exposures thus proving once again, that *adverse health effects occur at non-thermal levels*.

To reiterate this very important point, the NTP study was conducted using 2G technology, which is orders of magnitude lower than what will be needed for 5G. The FCC's Maximum Permissible Standard (MPE) in the USA is hundreds, sometimes thousands of times higher than most other countries permit.

In 1996, at the bidding of industry, Congress "silenced the public" with the passage of the Telecommunications Act, perhaps the most lobbied bill in history. This bill removed the right of state or local municipalities to oppose the installation of a cell tower based on health or environmental concerns. This travesty will necessarily be increased monumentally to accommodate the needed infrastructure for 5G.

And the 330-page FCC Notice of Public Rulemaking fails to mention the health issues at all. Instead, the document follows the FCC's long established tradition of giving free reign to industry, with little or no governmental oversight and no public choice.

I find it *outrageous* and *irresponsible* that such a harmful technology is even being considered for deployment in the face of all the evidence of its dangers, and without thorough, well-publicized and balanced public scrutiny, discussion and oversight. I respectfully request that you put a stop to this insanity now.

Sincerely,	
Marilyn	
Dear Sirs and Madams:	

Please reconsider your intention to install 5G antennas throughout our country.

The installation of Smart Meters has affected thousands of people worldwide who were in perfect health up to the day the meter was put on their homes. Since then, many have had to move, many have become homeless, and many are so ill that they cannot enjoy the simple pleasures of life. I am one of those unlucky ones and have lost my occupation as a private tutor, spent untold thousands of dollars on home remediation, doctors, and health supplements, and have had my dreams of visiting public spaces such as museums and theaters and travelling by public transport smashed to smithereens.

The 5G network will affect countless others whose neurological and physiological systems will not be able to withstand the onslaught of microwave radiation thrust into our environment. Many of these people will be innocent children, women, and elderly whose bodies are more sensitive by nature. And it does not stop there. Many thousands of sturdy, healthy males have already been affected adversely by microwave radiation delivered to them via cell phones, cordless phones, cell towers and antennas.

At this point in history, we have no idea how the proliferation of wireless technology will affect future generations. Yet it has already become painfully evident that it is responsible for increased autism, cancer, ADHD, and countless other ailments. Why push the envelope and threaten the lives of your children and grandchildren all for the sake of monetary gain? Does that sound like a reasonable trade-off for a supposedly intelligent species? Do you really want to alter the lives of so many innocent people and the delicate balance of our fragile environment just to have a little more money in the bank?

Will you be able to wake up in the morning, look in the mirror and applaud the reflection of the person responsible for ruining the lives of countless children who trusted you to protect them while becoming addicted to their wireless devices? For your profit margin? How could you do that to them?

Kim
----Dear Sirs.

Last May the National Toxicology Program concluded a \$25 million study on the cancer risk of wireless technology. The study determined that ambient radiofrequency radiation (RFR) of the type emitted by cell phones and smart meters produces statistically significant increases in DNA damage and cancer in mice and rats. The study's authors say the results "could have broad implications for public health."

In light of these scientific findings, it is my hope that you will make the health and welfare of the citizens of the United States of America your priority and that you will vote NO on any legislation that promotes or fosters

the use of 5G wireless technology in the United States of America.

Sincerely,

David

--

Hello:

please don't accept this the 5G technology
I know a lot of people around me who are sick already and a lot will be
thousands of science articles proved that is harmfull to the humans and all the living (and you know that is
true)
don;t lead the humanity and the earth to a catastrophic future
say no
irene

I'm writing about Tom Wheeler's psychopathic plan to put 5G 'wireless' technology everywhere, exposing everyone to microwave radiation without their permission.

In 2011 the WHO declared 'wireless' a Class 2B Possible Carcinogen. At least 50% of this decision was based on the work of the Hardell Group in Sweden. Since then, Hardell as completed five more long term studies, all of which showed increases in cancer. Lennart Hardell, who I would consider the top independent scientist (ie not bought and paid for by the wireless industry) in the world is now saying that wireless needs to be moved to Class 1 'Known Human Carcinogen' on an urgent basis.

If you, by commission or omission, allow this 5G program to continue I believe you will be signing the death warrants for millions, quite possibly including yourself and your family. Wireless is not a safe technology... there is no proof of safety and a great deal of evidence of harm. Your smart phone won't amuse you if you are dying of brain cancer.

Please investigate the facts, apart from the corrupting influence of industry, and make your own decision on whether this is a good idea. Massive 5G deployment is foolish in the extreme, suicidal, and likely criminally negligent.

Thank you.
Ron
Dear officials in charge of our health and safety,

I have just learned that Chairman Wheeler of the FCC wants to implement wireless networks throughout the United States, slated for a vote today, July 14, 2016.

I, and many others, cannot tolerate wireless technology anymore. I am EHS, and have serious health issues that have rendered my previously health body incapable dealing with the overwhelming onslaught of radiation. I am unable to go into cities or any populated areas where Wifi is present everywhere. I have the same right as any free citizen to travel freely unfortunately I am greatly restricted and I cannot tolerate wireless technology any longer.

To allow total penetration of wireless EMF all over the United States by the FCC under this 5G Proposal, is unconscionable, especially in light of the recent National Toxicology Program's multimillion dollar toxicology study report finding that wireless technology radiation, well below FCC guidelines' limits, but similar to that used in the wireless industry, causes brain and heart muscle Cancers!

Many enlightened countries have wireless standards thousands of times lower than the FCC guidelines, to protect their citizens.

The FCC is NOT protecting us. It is up to our elected officials to protect us by voting against this proposal, and forcing the FCC to lower its acceptable standards of radiation to a level consistent with enlightened countries around the world.

Kind regards, Maria

Hello, my name is Chris and I'm a resident of the state of Maryland. Mr Wheeler, the FCC commissioner has proposed a new plan to deregulate most of the oversight of antennas and smart meters being installed around the country. I'm asking you ladies and gentlemen that represent us in government to vote against this plan tomorrow. I feel that it has not been examined closely enough in regards to the health and privacy issues that may possibly result due to the lack of oversight. I think the people need to be much more informed on the matter and I don't see that they have been made aware of the proposal to a significant degree. Properly informed, trust the people. I believe we need a vehicle to better inform the people before voting on an issue with such widespread implications which will effect us all. We need strong representatives to help those of us less informed to really understand and debate this issue. Thank you for your time and when you vote please consider the citizens who may not understand the full implications of the plan. Thank you for your consideration.

Please consider that the adverse health hazards of cellphone radiation, 3G and 4G frequencies plus the proven fire hazards of smart meters, have not been thoroughly studied yet! The studies that have been done are ominous: these devices and frequencies appear to cause cancer and reproductive harm. Please stop this further technology until safeguards are in place and proper studies have been done.

Thank You, Elissa

We are already living with way to much Wireless Radiation which is carcinogenic for all. A complete public health disaster in the making.

Proven to have many hundreds of negative bio-effects as documented in the BioIniative Report: http://www.bioinitiative.org/conclusions/

To raise the bar to implementing 5G is unconscionable — so I urge you vot vote **Vote** on FCC 14-177, 15-256, 10-112 and 97-95

thanks and best, Rob

Dear Legislators,

Below is the letter I sent to the FCC today in regard to their vote this coming Thursday concerning 5G rollout. Many colleagues and citizens across the nation have done the same. This is an outrage as it is a significant threat to public health.

I testified to Congress in 2008 on the health effects of cell phones. A lot has happened in the past 8 years to prove that the citizens of the United States are not being adequately protected and that wireless radiation is indeed causing cancer and other illnesses. The telecom industry has been allowed to manipulate the FCC and Congress long enough. Please help put a stop to this. We need new standards and we need 5G to be pre-market safety tested prior to a rollout.

It is beyond comprehension how the FCC can be this flagrant especially in light of the recent United States National Toxicology Program results showing 2G caused brain tumors and tumors in the nerves at the heart. This was a turning point in this "debate". We need another House Oversight Committee hearing on this issue soon. And perhaps this time the telecom industry will not refuse to show up! They should be forced to appear. And Tom Wheeler should be forced to resign.

If you have questions please feel free to email me or call me at 925-285-5437.

Thank you. Ellen Marks California Brain Tumor Association

Dear FCC Commissioners,

I respectfully implore upon you to vote no Thursday on the rollout of 5G wireless technology until there is pre-market safety testing of this technology.

Cellular phones were never pre-market safety tested. We are now witnessing the serious ramifications of that negligence. Now, years later, after daily exposure to nearly every American, independent testing and testing by the United States National Toxicology Program have shown that 2G wireless technology causes brain tumors and tumors in the nerves of the heart (Schwanomas).

There is no longer a "flat line" in brain tumors. Lethal brain tumors have increased in the area of the brain which is closest to where the phone is held. I personally know many who died at young ages "more likely than not" from their cell phone use or are now dying from this exposure. I also know many who suffer from Electro-hypersensitivity (EHS) from exposure to wireless radiation. It is time to recognize this and take it seriously.

For CDMA and GSM (both 2G) we have testing showing negative health ramifications. A Hardell study in 2013 shows greater harm with UMTS (3G). Yet we have no studies on LTE (4G) or 5G. This affects every human being and will be a flagrant abuse of your power if this is allowed without testing prior to a rollout. WiFi is everywhere - in homes, schools, businesses, city parks, etc. These frequencies resonate with our biological processes and are amplified within us.

The US NTP study has validated the 2 studies IARC used in classifying radiofrequency electromagnetic fields a possible human carcinogen. There is talk now that this may be changed to a probable or certain classification. Thus it is shocking that you would even consider this 5G rollout.

We cannot allow this negligence to continue. You have a responsibility to the citizens of the United States to consider their health and welfare in your decision making process. .

The American Academy of Pediatrics has written to you several times regarding their concerns about children's exposure to wireless radiation. You have ignored their concerns. The Department of Interior has written to the Department of Commerce stating that wireless radiation is killing wildlife including the American Eagle. They stated that the FCC standards do not take into consideration non thermal damage from this radiation (in this case cellular towers) and that your standards are decades old, obsolete and not protective of the environment.

You have heard from the GAO that your so called safety standards pertaining to radiofrequency are obsolete and need to reexamined. You opened a NOI on this many years ago but nothing has happened in regard to this serious issue. In the interim every man, woman and child are being exposed to RF that may damage their nervous system or cause cancer. I mean no disrespect but this harm knows no boundaries and sadly this could happen to you, your children or your grandchildren. I doubt you want that to be your legacy.

Thank you for your time and your consideration.

Respectfully submitted, Ellen Marks California Brain Tumor Association

PLEASE PROTECT US & HELP US PROTECT the PUBLIC's HEALTH Say "STOP" to the FCC and Wheeler in 5G vote

Who Are We?

Unlike what the public has been told, wireless technology harms are scientifically PROVEN, not potential but EXISTING, and in an EPIDEMIC scale. "We Are The Evidence", is an advocacy group representing the many people who have been injured by wireless technology; our members have conditions such as electro-sensitivity/intolerance and cancer (among others). We purport to expose this epidemic to the public, elevate the voice of the injured and defend their rights through education, lobbying and litigation.

What Are We Asking For?

Despite the EVIDENCE OF WIDESPREAD SICKNESS from wireless technology radiation and the CLEAR SCIENCE (including a RECENTLY published \$25 million GOVERNEMENT STUDY which establishes the already proven harms of wireless technology including brain and heart cancer, DNA damage and neurological effects), rather than acting prudently, warn the public, reduce radiation levels and encourage industry to develop safer technologies, the FCC continues to ignore the harms, use an obsolete "safety" standard, mislead the public and Congress and now, facilitate a rapid increase in radiation levels with 5G and the use of higher (and more harmful) frequencies.

We are asking Congress to take action to stop the FCC rush Vote on 7/14, which fast-tracks the release of the more harmful 5G infrastructure.

We are asking Congress to conduct a hearing to investigate the FCC actions/inactions and their disregard of public health; and to include testimony of those who have been injured by wireless in this hearing.

This is a public health and human rights crisis that must not be ignored. Ignoring a problem does not change the facts; it merely increases its scale and we already have an epidemic- scale problem.

The Facts About 5G & the FCC

Fact: 5G is Even More Harmful than Existing Wireless Infrastructure

5G will be making use of higher frequencies, known as "millimeter waves," which are more harmful to humans, without examination or consideration of the hazards. 5G frequencies are easily disrupted by physical interference; therefore, to overcome this limitation, a massive number of antennas will have to be positioned on almost every electric pole in the country, all utilizing higher frequencies. This deployment will significantly increase the radiation levels in the environment, making it impossible for anyone to escape this radiation, especially those who are already injured and cannot tolerate the radiation.

Fact: FCC Ignores Recent Government \$25 Million Study Proving Harms

The link between wireless and cancer / other harms was proven in a \$25 Million study by the National Toxicology Program; the scientists who conducted the research called to immediately warn the Public. The FCC is ignoring the study and instead, is trying to fast- track 5G. This study repeats what many previous research studies proved and supports the existing human evidence. More information about the study can be found on MicrowaveNews.com and the Wall Street Jounal.

Fact: FCC Ignores NIH Study Proving Wireless Causes Changes in Brain

The study led by Dr. Nora Walkow, Director of the National Institute on Drug Abuse, "Effects of Cell Phone Radiofrequency Signal Exposure on Brain Glucose", offers conclusive evidence that the FCC's claim that there are no biological effects of wireless technology is false.

The brain image (above) shows the levels of glucose in the brain (yellow) before (image on the right) and after (image on the left) cell phone use. The glucose levels shown in

the left image are significantly higher and found to be so especially in the areas closer to the antennas of the cell phone. This study reinforces previous studies that used other experimental approaches, and have found that microwave radiation alters cellular signaling pathways and brain activity. As glucose is the sole energy source of the brain, the study reinforces previous studies that have found that microwave radiation alters cellular signaling pathways and brain activity.

Fact: The FCC Cannot Be Trusted

Would you have wanted the head of the Tobacco Companies' Association to head the Agency that regulates it? Then why allow Tom Wheeler, who headed the CTIA, the wireless industry association, to head the FCC, the very same agency that regulates them?

Harvard University Center for Ethics wrote a report about the corruption of the FCC called: "Captured Agency: How the FCC is Dominated by the Industries It Presumably Regulates." This 5G vote is a clear proof...

FCC's 2013 declaration that it is going to review its "Safety" Standard, seems to be a sham. For more than 20 years, the FCC hasn't reviewed its "safety" Standards. In 2013, it announced a review of its "Safety" Standards and asked the public to submit comment. Approximately 1000 comments were submitted by scientists, and public health officials, as well as doctors' associations who represent the physicians who see the epidemic of sickness in their offices and clinics. The Attorney Generals of Boston and Philadelphia submitted a comment, calling the FCC to take immediate action to protect the injured and tell the public the truth. But, as the Wall Street Journal wrote in an article on 7/6, "The FCC opened a proceeding to study the current standards in 2013, but hasn't taken any action."

Fact: FCC Safety Testing is Ridiculous, Assuming Our Brains Are Water

The FCC "Safety" Standards are based on an assumption that was disproved decades ago, that non-ionizing radiation, like that emitted by wireless technology, is harmful only if it causes change in the temperature of the cells. Since wireless technology allegedly does not use levels that cause thermal change, the FCC claims it is not harmful, despite

the fact that many thousands of studies, including the Government studies, have proven that it causes severe effects including the breakage of the DNA.

The FCC testing of cell phone safety is ridiculous. It assumes that the human brain is just liquid and tests for thermal change. This test was invented by engineers without biomedical understanding, and ignores the fact that our brain has nerves, blood vessels, chemical reactions, etc. Our brain is an electric system and therefore it is clear that it will be affected by electro-magnetic fields such as those emitted by wireless technology radiation, which is trillions of times higher than the levels to which our body evolved.

Facts about the Epidemic of Sickness

Fact: Already 10% of the Population Have Developed Electro-Sensitivity

Are you or your children are having pain in your head/ear and/or tingling in your hands when using a cell phone? If yes, then you have developed Electro-Sensitivity. According to numerous surveys done by leading institutions up to 2006, at least 10% of people already suffer from symptoms of electromagnetic sensitivity/intolerance, a condition that develops with accumulated exposure to wireless radiation. Other symptoms include sleep disturbances, heart palpitations, nausea, exhaustion, tinnitus, cognitive problems, et al. These symptoms indicate severe biological harms. Research on 700 people who developed ES showed damage to their Blood Brain Barrier, immune and nervous systems and neurodegeneration.

The people and children who developed ES are ignored and their lives are a living hell. There is no place without radiation. Those people who have ES have no refuge and no place to live; many become refugees and live in inhuman conditions, in their cars and in the woods. One year ago, Jenny Fry, a 15 year old girl hanged herself from a tree because she could not tolerate the pain from the Wi-Fi in her school. This is a growing epidemic and a human rights crisis and everyone is looking the other way. In the picture: Jenny Fry, 15, Committed Suicide, she could not tolerate the pain of the Wi-Fi in school.

The most famous person who has developed ES is Gro Harlem Brundtland, the former Head of the World Health Organizations, former Prime Minister of Norway and a medical doctor in her profession.

Other people who developed ES: Matti Niemelä, Nokia's Chief Technology Officer Jeromy Johnson, a Silicon Valley Engineer; Prof. James McCaughan, A Physics Professor; Per Segerbäck, Ericcson Cell Phones Engineer; Dr. David McDonald, CSIRO (wireless company) scientis; Elizabeth Evans, an MD.

Fact: Wireless Causes Brain Tumors Epidemic

The Government NTP study proved that wireless radiation causes brain tumors; as well as confirming the results of previous studies, but this study supports the findings of other studies, including epidemiological studies. Data up to 2006 show that the rates of brain cancers associated with cell phone use doubled for adults, and now, ten years later, is probably higher. A study shows 780% increase in brain tumors in children; brain tumors are the # 1 killer of children and adolescents. In the picture: Jimmy Gonzales, Attorney, Died at 42, from 3 tumors from his cell phone.

Fact: Wireless causes Autism

In the past 10 years, the rate of Autism has increased exponentially from 1/1000 children to 1 in 65. Harvard Professor, Martha Herbert, a Pediatric Neurologist and Neuroscientist's paper "Autism and EMF? Plausibility of a pathophysiological link", establishes a correlation to wireless. Prof. Herbert said "I set up to write a paper with a modest length...and ended up producing a 60 page paper with 550 citations."

Fact: Wireless causes ADHD

In the past 10 years the number of children who suffer from ADHD doubled! Yale University Professor & Chair of Obstetrics, Gynecology, and ReproductiveSciences, Prof. Hugh Taylor, proved in his research that fetus exposure to wireless radiation affects Neurodevelopment and Behavior and cause ADHD.

Fact: Wireless Harms the Sperm and Reproductive Organs

In the past 10 years there has been a 40% reduction in sperm quality of males in all age groups all around the world, and 25% of couples are in fertility treatments. There are many dozens of studies including on humans that prove beyond doubt that wireless severely harms the sperm and reproductive organs.

Sincerely, Romy Hello,

My name is Marcus. I am writing you about tomorrow's vote on 5G technology, the Spectrum Frontiers proceeding.

Electromagnetic radiation from wireless devices are harmful to the health of people, plants and animals. Over 4,000 qualified studies have been conducted to show case destruction of DNA, thyroid function, blood cell function, immune impairment.

I would like to draw your attention on the EMF scientist appeal:

https://emfscientist.org

I also wish to remind you that the FCC has yet to act on NOI #13-84, "Reassessment of Federal Communications Commission Radiofrequency Exposure Limits and Policies," issued in 2013 and a similar NOI issued in 2003. The 2013 NOI has received more than 900 submissions—almost all call for stronger regulation of RF radiation.

Finally, the **General Accountability Office** issued a report entitled, "Exposure and Testing Requirements for Mobile Phones Should Be Reassessed" (GAO-12-771: Published: Jul 24, 2012. Publicly Released: Aug 7, 2012. http://www.gao.gov/products/GAO-12-771). The report made the following recommendations which have yet to be addressed by the FCC:

"FCC should formally reassess and, if appropriate, change its current RF energy exposure limit and mobile phone testing requirements related to likely usage configurations, particularly when phones are held against the body. FCC noted that a draft document currently under consideration by FCC has the potential to address GAO's recommendations."

The FCC's RF standards were adopted 20 years ago. Many scientists believe these standards are obsolete because they do not protect the population from established, non-thermal risks from RF radiation exposure. Thus, to ensure public health and safety, the FCC should commission an independent review of the biologic and health research to determine whether the RF standards should be modified before allowing additional spectrum to be used for new commercial applications.

Please visit <u>safetechnology.org</u> for more information about wireless radiation.

This is a liability and if proper assessment is not done on the Spectrum Frontiers proceeding, you will be held liable for not protecting the public.

The world health organization, american academy of pediatrics, american academy of environmental medicine, american academy of pediatrics, and american society of reproductive medicine have all issued public health alerts of the danger of electromagnetic radiation.

The is an emerging set of the population that has become sensitive to electromagnetic radiation. Electromagnetic hypersensitivity has been recognized as a disability in Sweden.

Best regards, Marcus

The FCC must take action NOW to protect the health of the American people from the known hazards of microwave radiation exposure from wireless devices.

The recent National Toxicology Program (NTP) study found that exposure to the microwave emissions from cell phones causes brain cancer in laboratory animals.

In 2011, the World Health Organization declared that the exposure from cell phones is a possible carcinogen based upon studies showing that 10 years of use at 30 minutes a day increases the risk of malignant brain cancer. Most young adults born after the year 1990 have far surpassed this cumulative exposure; younger children today are exposed to levels many times greater.

FCC guidelines FAIL to take into account this vulnerable population. This gross negligence must be rectified immediately to prevent a possible nation-wide public health crisis in the future.

Engineering (OET) staff officials at the FCC claim that the agency has no jurisdiction over the health effects of wireless devices - that the FDA is responsible for this. However, in spite of decades of research showing the negative health impacts from the microwave exposure from wireless devices, *the FDA has never issued* regulations regarding this exposure to protect the health of the American people.

To make matters worse, FCC regulations are 20 years old, obsolete and inadequate; plans to update the exposure guidelines have been stalled for 2 years with no action being taken. The Government Accountability Office issued a report in 2012 called, "*Telecommunications: Exposure and Testing Requirements for Mobile PhonesShould Be Reassessed*" that found the FCC guidelines fail to test phones in the manner they are typically used: in pockets, waistbands and bras, held directly against the body. Consumers, especially children (whose developing brains and reproductive organs are more susceptible to the health effects from this known hazardous exposure), are being exposed daily to levels of microwave radiation that most likely exceed the federal guidelines.

Cell phone manufacturers fail to adequately inform consumers of the FCC-required safety warnings that caution against use directly against the torso, "hiding" these crucial warnings in the legal fine print buried deep within text on the phones or in user guides few people ever see. The FCC has been aware of this issue for 4 years and has chosen to do nothing.

THIS IS A SERIOUS BREACH OF FEDERAL REGULATORY DUTIES!

The FCC must stop advocating for increasing profits for the telecom industry and take action to protect the American people!

Respectfully submitted,

Cynthia Franklin, President Consumers for Safe Cell Phones

I am writing to strongly encourage you to reconsider the "5G" experiment in human health, especially because of our children. There is significant scientific evidence that this type of radiation (such as smart meter radiation) damages human health on multiple levels. This isn't rational progress and is creating a huge liability for all of you when the damage is further revealed through this experiment. **All will be held accountable and liable for their actions** because of the warnings science has accumulated, and because of these legal NOTICES of the same. There can be no excuse for progressing into this, especially when there is now technology that eliminates this wireless radiation form.

We are tired of corporate corruption and manipulation for profit... and we are acting.

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Dear Decision Makers:

The FCC plans to vote tomorrow, July 14th on the Spectrum Frontiers Proceeding regarding 5G networks.

Although this proposal is being represented as an unqualified good, there has been no NEPA review of the health impacts of 5G networks. In our rush to be the first to roll out 5G and reap the claimed economic benefits, let's not forget that ignoring health risks 5G networks may pose could be a huge economic liability.

Recent findings from the NTP (National Toxicology Program) Study linking cellphone radiation to cancer suggest caution in the use of wireless technologies. The American Cancer Society's Chief Medical Officer, Otis Brawley, said the NTP study results mark a "paradigm shift in our understanding of radiation and cancer risk." He called the NTP report "good science."

Surely this is not the time to ramp up radiofrequency exposure to the general population. Governmental agencies throughout the world have issued cautionary advice regarding wireless exposures, including governments of Austria, Belgium, Finland, France, Germany, Greece, Israel, Switzerland, and Sweden.

Please note attachments and links to recent articles about the NTP study by Devra Davis, PhD., Joel Moskowitz, PhD. and 'Scientific American' which you may find useful in determining your position.

http://blog.oup.com/2016/06/cancer-from-cell-phone-radiation-ntp-report/

http://www.scientificamerican.com/article/major-cell-phone-radiation-study-reignites-cancer-questions/

Thank you for your attention and concern.

Nancy

--

Dear sirs and madams,

I am writing to ask you to stop Tom Wheeler's vision for 5G wireless in the US. Being on the forefront of technology at the expense of the health of US citizens does not make us a leader in the world, it makes us look like the greedy, self-centered country that many already believe us to be.

There are proven health issues related to wireless radiation. Did we learn nothing from the tobacco debacle that killed so many people in the name of business?

Innovation can be a great thing, but it needs to be tempered with prudence. Leaping out to be ahead of the world won't accomplish much if it sickens our population in the process.

PLEASE stop this initiative!!

Thank you, Jennifer

Dear All,

PLEASE protect public health and the environment and vote NO on 5G networks - Vote NO on FCC 14-177, 15-256, 10-112 and 97-95

This year, the US government, led by the National Toxicology Program linked cancer to cell phone radiation. This study is a game changer for the need to eliminate wireless frequencies (wi-fi, smart meters, cell towers, etc) in our homes and cities. 5G will use 24Ghz frequencies and above (millimeter waves) and will saturate the environment with higher density distribution of antennas on power and light poles.

How will these higher frequencies affect the environment? This is an experiment we don't want.

I thank you for your consideration and hope you'll do what is best for the wellbeing of all. Thank you,

Tracev

Tomorrow:

Please don't vote to unleash a dangerous environmental pollutant on your friends, family, and, indeed, the whole country.

Vote to protect your family, friends, and the country – vote "no" on Spectrum Frontiers.

Be on the right side of history.

Some of the inescapable reasons:

Radiation Dangers

Please vote "no" to the Spectrum Frontiers Proceeding.

There has been no NEPA review of the environmental and human health impacts of moving forward with 5G. The FCC has put the cart before the horse in promulgating rules for 5G without first studying the safety of 5G for humans and the environment. There is consensus within the scientific community that the existing FCC limits for wireless radiation do not protect the population from biological effects (www.EMFscientist.org).

Sincerely,	
Peter	
To whom it may	concern:

Please stop the insane plan. 5G now and vote against and speak up against any such plan. More technology is NOT going to fix the problems the world is now facing and the implementation of 5G will simply add to the toxicity so prevalent and so dangerous in our current world environments. The medical literature world-wide provides ample proof of harm caused by the modern telecommunications technologies. You and your colleagues will be held personally responsible and liable for any harm done as a result of the implementation of 5G. Since this is truly a matter of the continued existence of life on earth as we know it, you actions, votes and or lack thereof, as you are in a position of authority and decision-making, will be noted and eventually there will be dire consequences for those in our world governments who have fostered this anti-human, anti-democratic technological movement.

Elize

Vote No on this experimental toxic radiation that is harmful to human health!

This is madness, to subject humans to constant toxic radiation while knowing it causes cancer.

Karen

I urge you to reject any proposals to open the spectrum for 5G

In his position as Chairman of the FCC, his proposal ""to be "first out the

gate." Wheeler says, "Turning innovators loose is far preferable to expecting committees and regulators to define the future", to open up the spectrum for 5G will lead to the laxer RF limits the industry desires, resulting in even greater threat to the public health from wireless health hazards.

The FCC has already exhibited industry bias detrimental to the public health by not enforcing its existing inadequate thermally-based RF safety limits. The FCC has no established procedure for filing violations complaints, responding to complaints received in spite of the lack of procedure, for verifying compliance, or meaningful penalties for violations. Please see http://www.youtube.com/watch?v=8olCZOtMwPo for a short summary of the investigation conducted by The EM Radiation Policy Institute which includes findings of violations up to and in excess of 600%. Mr. Wheeler's past history suggests that enforcing RF radiation limits to protect public health would not be a priority.

These violations are particularly dangerous because the current FCC RF safety limits are only thermally-based, not biologically-based. These RF limits are in need of serious revision. The biological effects people are experiencing can be serious and life-threatening. Please watch this short video about women who got breast cancer from their cellphones http://www.ktvu.com/videos/news/special-report-keeping-cell-phone-in-bra-may-lead/vhPF8/ this video about cardiac arrhythmia being caused by DECT cordless phones http://www.youtube.com/watch?v=p-mw_nCJWs4 and this video about RF health effects on public health http://www.heartmdinstitute.com/v1/wireless-safety/cordless-phone-use-can-affect-heart

You can also watch this short video about the radiation in our homes http://www.youtube.com/watch?v=aAnrmJ3un1g

The FCC has opened a docket to examine whether it should revise its RF limits, potentially to relax them as requested by industry. Even in the Notice of Inquiry (NOI), the FCC exhibits bias toward industry and away from protecting people.

From the FCC's docket language:

Given the complexity of the information on research regarding non-thermal biological effects, taking extra precautions in this area may fundamentally be qualitative and may not be well-served by the adoption of lower specific exposure limits without any known, underlying biological mechanism. Additionally, adoption of extra precautionary measures may have the unintended consequence of "opposition to progress and the refusal of innovation, ever greater bureaucracy,... [and] increased anxiety in the population."

This is a perfect example of why the EPA, a public health agency without statutory obligation to promote the very technology it is supposed to

regulate, should be in charge of setting RF safety limits to protect the public health. There is a glaring conflict of interest inherent in having the FCC promote and regulate this proposal due to the evidence of harm caused by wireless health hazards.

Regards Adam usual disclaimers apply

Dear FCC Commissioners.

Please vote "no" to the Spectrum Frontiers Proceeding.

I graduated from the University of Illinois in 2005 with a degree in Electrical Engineering. I studied power transmission and field and wave theory. I didn't ever think I would have to use my engineering knowledge to save my health.

In the past 6 years, I've suffered any number of physical issues. I've seen doctors around the country, specialists, medical professors to no avail - I'm the healthiest sick person you've ever met. After much backbreaking hardship and even more research, I found out that wi-fi was literally killing me and my family.

I cannot be around cell phones or wi-fi. Friends and family have to turn off everything when I'm around. If they don't, within a few minutes my extremities start tingling and then, a few minutes later, numbness kicks in. I lose sensation in my hands and my feet. An MRI I had to ensure that this wasn't a spinal issue sent me out crying due to severe pain in my head. I have two school-age children . I couldn't drive my van anymore...until I pulled the Bluetooth. You can talk to my mechanic. They worked with me on it for weeks. I can feel the amount of radiofrequency radiation change as I drive into the city. The only thing that allows me to function as a normal person is reducing my exposure. And within the spaces I can control, I have.

5G, with it's incredibly high frequency and the saturation it requires to function, will detrimentally affect every single biological being in it's path. It's basically going to kill me. And, at the very least, it will debilitate the nation. The young, the old, and the ill will suffer the most. But the healthy - they'll suffer too. There are studies which you've undoubtedly read, or at least heard of. They're true. You may not having tingling, numbness, or erratic heartbeats. But maybe you can't kick colds the way you used to. Perhaps you've been drinking a lot more coffee to get through your day. Maybe your kids have been driving you nuts, and you're fighting with your spouse on the weekends. Any of this sound familiar? Our bodies are experiencing physical stress that they can't shut out, and our systems are crumbling further every moment.

There are better, smarter, more efficient ways to use the technology we have. There are **safer** ways to use the technology we have. Please, please use the authority invested in you to do what's right.

God Bless America

Sincerely, Atiya

Dear Sir or Madam, FCC Committee Staffers, Elected Officials of the House and Senate:

I am an American with a Disability. In 1990 I was crippled by mandatory vaccines received at the Abington Memorial Hospital Dixon School of Nursing. Diagnosed with a sensory variant of Guilláin Barrè Syndrome, 17 years later I settled with the National Vaccine Injury Compensation Program.

Currently I am awaiting a decision by the PA Public Utilities Commission regarding my right to maintain an analog electric meter on my house because after 15 months exposure to an AMI meter I learned empirically that I have electro hypersensitivity (EHS). My electricity distributor offers no alternatives to AMI. Due to conflicts of interest (son Grey Godshall worked for PECO, promoted to Supervisor of AMI Deployment Team) Representative Bob Godshall, (R) Chair of the Public Affairs Committee has not allowed 6 Bills (3 House, 3 Senate) for Opt-Out to come to vote in the General Assembly since 2012.

Attached is my Brief and FInal Argument as iterated in the publicly accessible PUC Docket No.: C-2015-2469655.

In my experience x20 years reviewing medical records at an Ivy League Institution it is my believe that many cases of EHS are not characterized or treated as such and thus its prevalence is underestimated.

Do not support the 5G plan. What is best for Americans is their health, not their convenience to communicate nor the industry that weakens their health. The future of YOUR progeny is also at stake. See: http://www.mast-victims.org/resources/docs/WiFi-a-Thalidomide-in-the-making-who-cares.pdf

Respectfully,

Susan

Dear House Subcommittee on Communication and Technology,

I am in opposition to the Federal Communications Commission's (FCC) plan to speed 5G to market which would require a "massive" increase in infrastructure which will be voted on July 14, 2016. This is time for the precautionary principle until the effects are well documented. There is substantial evidence that there is great concern for health and safety from the current "deployment" of this technology.

This issue of Radio Frequency (RF) is new to me and I am astounded by the number of persons who have had their lives damaged as a result of exposure. The FCC should have standards

adequate to protect life and the proper research should be done before "deploying" this technology, this is time for the precautionary principle.

I am shocked to learn the following Facts:

- 1) Our government standards for cell phone radiation is **not based on protection against all harmful effects** but only based on thermal limits, i.e., if there is not enough microwave radiation coming from a device or cell tower to cause your tissues to warm up (i.e. cook you), then FCC standards considers it to be a "safe" level. For cell towers, that limit is 1000uW/cm2 for 30 minutes for frequencies 1.5GHz and above http://www.gpo.gov/fdsys/pkg/CFR-2002-ti.... This was not intended to be a chronic exposure limit, but a short-term one intended to protect people from burns. For cell phones and personal devices, the amount allowable is a SAR of 4.0 W/kg to the hands, feet, ears and 1.6W/kg to the head and any other part of the body.
- 2) Areas within the immediate range of a cell tower (i.e. less than 1000ft) are about 1000 times higher than background levels of RF radiation. Ambient (background) levels of microwave radiation, i.e. levels not immediately close to a cell tower, is around 0.0003uW/cm2 (cell phone calls can be made at this level and reception is around 4 bars). However, within the immediate range of a cell tower, i.e. within the first 1000 ft, it can be as high as 0.1-1.0uW/cm2. While both these levels are lower than 1000uW/cm2, realize that this means that the levels within the immediate vicinity of a cell tower is around 1000 times higher than areas not next to a cell tower. So for people living close to a cell tower or kids attending school next to a cell tower, this exposure which is about 1000 times higher than ambient levels is for many hours every day for years, not just 30 minutes. If you don't believe this, please purchase a meter and measure for yourself. The Cornet ED78S is a very basic meter that you can purchase for ~\$140, less than cost of your smart phone.

Health effects at 0.1uW/cm2 include neurological problems (headaches, insomnia, feelings of nervousness) and immune problems (allergies, cancer). You can see the list here for levels below and above 0.1uW/cm2 per the 2012 Bioinitiative Report, which is a compendium of 3800 peer reviewed studies from around the world. http://www.bioinitiative.org

Firefighters Union IAFF succeeded in 2004 in stopping more cell towers from being erected on fire stations for health reasons, citing neurological and immune system effects. http://www.iaff.org/hs/facts/CellTowerFi...

3) **FDA exempted cell phones from product testing in 1984** on the presumption that if there is not enough RF radiation emitted to cause tissue heating, then it was safe. However, there has

been a lot of research showing that even levels of radiation below thermal thresholds have negative health effects. Some even done by our own military

4) NASA Report, 1981

A NASA report published in April 1981, titled "Electromagnetic Field Interactions with the Human Body: Observed Effects and Theories," discussed EMF and microwave RF radiation caused to humans. Effects of microwave radiation reported: headaches, sleep problems, neurological symptoms, cardiac symptoms, memory problems, increased cholesterol, gastritis, ulcers, increased fasting blood glucose, irritability, inability to concentrate, apprehension, and cataracts (clouding of posterior part of lens in those caused by microwave radiation instead of anterior clouding as seen with regular types). Information for the NASA report was collected from over 1,000 written sources that "included journals, conference proceedings, technical reports, books, abstracts, and news items," http://ntrs.nasa.gov/archive/nasa/casi.n....

5) Navy Report, 1971

On October 4, 1971, the Naval Medical Research Institute published a research report, "Bibliography of Reported Biological Phenomena ('Effects') and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation," which was a compilation of over 2000 references on the biological responses to RF microwave radiation. It lists well over 100 negative biological effects caused by RF microwave radiation - here's a partial list: corneal damage, tubular degeneration of testicles, brain heating, alteration of the diameter of blood vessels, liver enlargement, altered sex ratio of births, decreased fertility, sterility, altered fetal development, decreased lactation in nursing mothers, altered penal function, death, cranial nerve disorders, seizures, convulsions, depression, insomnia, hand tremors, chest pain, thrombosis, alteration in the rate of cellular division, anorexia, constipation, altered adrenal cortex activity, chromosome aberrations, tumors, altered orientation of animals, birds and fish, loss of hair, and sparking between dental fillings. http://www.magdahavas.com/wordpress/wp-c...

6) Air Force Report, 1994

A June 1994 US Air Force document, titled, "Radiofrequency/Microwave Radiation Biological Effects and Safety Standards: A Review," acknowledges the non-thermal health effects. Stated in its abstract, "It is known that electromagnetic radiation has a biological effect on human tissue." The introduction of the report states that "researchers have discovered a number of biological dysfunctions that can occur in living organisms" and that "exposure of the human body to RF/MW [radio frequency/microwave] radiation has many biological implications" that range from "innocuous sensation of warmth to serious physiological damage to the eye," and added that "there is also evidence that RF/MW radiation can cause cancer." Biological impacts: "damage to major organs, disruption of important biological processes, and the potential risk of cancer," among many others which include "mutagenic effects," "cardiovascular effects,"

negative effects on chromosomes, and notes that "Soviet investigators claim that exposure to low-level radiation can induce serious CNS [central nervous system] dysfunctions." http://www.emfacts.com/2014/09/us-air-fo...https://electroplague.files.wordpress.co...

7) The Department of the Army has documented in the "Bioeffects of Selected Nonlethal Weapons(fn1)" that this technology has the potential to be both a nonlethal and a lethal weapon.

FCC's priority appears to be on faster speeds and not regarding human health and safety.

The 1996 Telecommunications Act (TCA) was passed by Congress despite the information known and reported by the US government agencies that document negative health effects from microwave RF radiation, because they were published before 1996. Section 704 of the TCA disallowed siting decisions for cell tower facilities based on health considerations as long as they do not exceed FCC's (thermal) limits for the single or multiple transmitter facility. According to this section of the Act Aesthetics are the only valid reason for rejection, this is a violation of free speech and our right to life and liberty.

FCC Chairman Tom Wheeler is pushing for 5G in the name of "national priority." "National priority" is addressing the astounding increases in autism, ADHD, neurological disorders in children and adults, autoimmune disease and dementia/Alzheimer's which has been occurring in the last couple decades which coincided with the massive deployment of cell antenna facilities, which began with the 1996 Telecommunications Act. We went from 66,000 cell towers in 1998 to 300,000 in 2013 per the CTIA as mentioned above.

- 1) Feb. 24, 2016: the American Brain Tumor Association has found that brain cancer is the highest cause of cancer deaths in ages 15-39 and the most common cancer among 15-19 year olds. There's also been an increase in Malignant Brain and Central Nervous System Tumors in American children. For ages 0-14 between 2000-2010, it has increased annually 0.6%/yr. In ages 15-19, between 2000-2008, it has increased annually 1.0%/yr.
- 2) October 2010: Autism has increased 600% in prevalence over the last two decades. ADHD has increased 53% in the US over the last decade per the CDC. For ages 14 to 17, 19 % of boys and 10% of girls now have ADHD.
- 3) August 2015: Washington Post reports people are developing dementia a decade earlier compared to 20 years ago (2010 vs. 1990) The disease is now regularly diagnosed in people in their late 40s and death rates from early onset dementia are soaring. The study found that deaths caused by neurological disease had risen significantly in adults aged 55 to 74 and more than

doubled in the over-75 population overall. The problem was particularly acute in the United States, where neurological deaths in men aged over 75 have nearly tripled and in women increased more than fivefold. "The rate of increase in such a short time suggested a silent or even a hidden epidemic, in which environmental factors must play a major part, not just aging." The environmental factors cited included chemical pollution and increased background electromagnetic fields (which includes wireless radiation)

https://www.washingtonpost.com/world/people-are-developing-dementia-earlier-and-dying-of-it-more-a-study-shows/2015/08/06/599b16b8-3c0a-11e5-8e98-115a3cf7d7ae_story.html?wprss=rs_s_world.

- 4) October 2013: The NIMH (National Institute of Mental Health) reported 25-30% of kids between ages 13-18 will experience an anxiety disorder. This is an increase of 20 fold (i.e. 1900%) over the last 30 years
- $\frac{http://health.usnews.com/health-news/health-wellness/articles/2013/10/10/how-to-cope-when-school-anxiety-lingers}{hool-anxiety-lingers}$
- 5) November 2013: Time Magazine reports that the rate of reported anxiety disorders among U.S. troops jumped 327% between 2000 and 2012. http://swampland.time.com/2013/11/05/anxiety-disorders-on-the-rise-in-the-ranks/
- 6) September 2007: The number of American children and adolescents treated for bipolar disorder increased 40-fold [that's 3900%!] from 1994 to 2003 The senior author of the study, Dr. Mark Olfson of the New York State Psychiatric Institute at the Columbia University Medical Center, said, "I have been studying trends in mental health services for some time, and this finding really stands out as one of the most striking increases in this short a time." The increase makes bipolar disorder more common among children than clinical depression, the authors said. http://www.nytimes.com/2007/09/04/health/04psych.html?_r=1
- 7) Severe, disabling mental illness has dramatically increased in the United States. "The tally of those who are so disabled by mental disorders that they qualify for Supplemental Security Income (SSI) or Social Security Disability Insurance (SSDI) increased nearly two and a half times between 1987 and 2007 For children, the rise is even more startling a thirty-five-fold [i.e. 3400%!] increase in the same two decades," as Marcia Angell summarizes In 1998, Martin Seligman, then president of the American Psychological Association, spoke to the National Press Club about an American depression epidemic: "We discovered two astonishing things ... The first was there is now between 10 and 20 times as much of it [depression] as there was 50 years ago. And the second is that it has become a young person's problem. When I first started working in depression 30 years ago ... the average age of which the first onset of depression occurred was 29.5 ... Now the average age is between 14 and 15."

- 8) In 2011, the U.S. Centers for Disease Control and Prevention (CDC) reported that antidepressant use in the United States has increased nearly 400 percent in the last two decades, making antidepressants the most frequently used class of medications by Americans ages 18-44 years. http://www.salon.com/2013/08/26/how_our_society_breeds_anxiety_depression_and_dysf unction partner/
- 9) In May 2013, CDC reported in "Mental Health Surveillance Among Children—United States, 2005–2011," the following: "A total of 13%–20% of children living in the United States experience a mental disorder in a given year, and surveillance during 1994–2011 has shown the prevalence of these conditions to be increasing."

There are many independent research studies that have shown an effect on nervous and immune systems from Radio Frequency Radiation. Here are just a few http://ehtrust.org/science/cell-towers-and-cell-antennae/

Even though doctors, scientists, and various groups have made about 1000 submissions asking the FCC to revisit limits since 2012, little has been done by the FCC. See Proceeding Number 13-84 on the FCC web

site,https://www.fcc.gov/ecfs/search/filings?proceedings_name=13-84&sort=date_disseminated, DESC

The only study of effects of chronic exposure to cell phone radiation done by our government was reported in May by the NTP (National Toxicology Program), which showed a statistical increase in brain and heart cancer in rats. Cancer showed up in a small but statistically significant portion of the rats who were exposed to below thermal levels of cell phone radiation at 1.5W/kg for 2 years (below FCC SAR limit of 1.6W/kg – iphone 6 plus has a SAR rating of 1.6W/kg with all antennas on

https://www.sarchecker.com/apple-iphone-6-sar-rating-level-edges-extremely-close-to-legal-limits/)

The significance of this US government study is proof that RF levels below thermal thresholds cannot be assumed to be "safe".

Additionally, in medicine, non-thermal levels of microwave radiation have been used for therapeutic uses to treat pain and edema, heal bones, and chronic wounds https://en.wikipedia.org/wiki/Pulsed_radiofrequency — this fact in itself also disproves the claim that there are "no biological effects" from non-thermal levels of microwave radiation. Anything

that has a therapeutic effect can also have a negative effect in a different dose or under different conditions.

Other countries – China, Russia, France, India, Switzerland, Italy, Luxemborg, Bulgaria – have stricter RF exposure limits than America. In January 2015, France forbade Wi-Fi in preschools and ordered it be turned off in elementary schools when not in use. In April 2016, Haifa, Israel has also removed Wi-Fi in schools. You can read more here on Schools and teacher unions around the world taking action on wireless

http://ehtrust.org/policy/schools-unions-and-pta-actions/

In summary, there are many reasons not to approve the "massive infrastructure" required for 5G at this time. The reasons:

- 1) NTP studies demonstrating a statistical increase in brain and heart cancer in rats following chronic exposure at 1.5W/kg (which is below the FCC SAR limit of 1.6W/kg);
- 2) reports by our own military and other branches of the US government demonstrate biological effects from RF radiation at below thermal levels;
- 3) the fact that non-thermal levels of microwave radiation are used for medical purposes proves there is a biological effect;
- 4) the near 1,000 submissions by doctors, scientists, and others asking the FCC to revise their limits in FCC proceeding 13-84 (which is herein incorporated by reference);
- 5) the fact that the higher millimeter frequencies to be used in 5G (as well as 3G, 3G, 4G), have not been studied for long-term effect on humans; and
- 6) the fact that the cell tower facilities already deployed have RF accumulative effects. There is not any protection on life from the accumulative effects of all nearby transmitting facilities, the FCC does not monitor for compliance.
- 7) **now is the time for the precautionary principle** until the risks are well documented on the issue of a "massive deployment" of a cellular infrastructure.

The Federal Communications Commission's job is to regulate the telecommunications industry for the protection of this nation. Instead the FCC is in partnership with private industry profits, and/or in the alternative, it is an all out "deployment" of weapons against

the Nation and American public because there are serious health risks according to the Department of the Army.

Sincerely,

Laura

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Please consider that the adverse health hazards of cellphone radiation, 3G and 4G frequencies plus the proven fire hazards of smart meters, have not been thoroughly studied yet! The studies that have been done are ominous: these devices and frequencies appear to cause cancer and reproductive harm. Please stop this further technology until safeguards are in place and proper studies have been done

Thank You,

Elissa

Hello, my name is Chris Hinds and I'm a resident of the state of Maryland. Mr Wheeler, the FCC commissioner has proposed a new plan to deregulate most of the oversight of antennas and smart meters being installed around the country. I'm asking you ladies and gentlemen that represent us in government to vote against this plan tomorrow. I feel that it has not been examined closely enough in regards to the health and privacy issues that may possibly result due to the lack of oversight. I think the people need to be much more informed on the matter and I don't see that they have been made aware of the proposal to a significant degree. Properly informed, trust the people. I believe we need a vehicle to better inform the people before voting on an issue with such widespread implications which will effect us all. We need strong representatives to help those of us less informed to really understand and debate this issue. Thank you for your time and when you vote please consider the citizens who may not understand the full implications of the plan. Thank you for your consideration.

PLEASE PROTECT US & HELP US PROTECT the PUBLIC'S HEALTH Say "STOP" to the FCC and Wheeler in 5G vote Who Are We?

Unlike what the public has been told, wireless technology harms are scientifically PROVEN, not potential but EXISTING, and in an EPIDEMIC scale. "We Are The Evidence", is an advocacy group representing the many people who have been injured by wireless technology; our members have conditions such as electro-sensitivity/intolerance and cancer (among others). We purport to expose this epidemic to the public, elevate the voice of the injured and defend their rights through education, lobbying and litigation.

What Are We Asking For?

Despite the EVIDENCE OF WIDESPREAD SICKNESS from wireless technology radiation and the CLEAR SCIENCE (including a RECENTLY published \$25 million GOVERNEMENT STUDY which establishes the already proven harms of wireless technology including brain and heart cancer, DNA damage and neurological effects), rather than acting prudently, warn the public, reduce radiation levels and encourage industry to develop safer technologies, the FCC continues to ignore the harms, use an obsolete "safety" standard, mislead the public and Congress and now, facilitate a rapid increase in radiation levels with 5G and the use of higher (and more harmful) frequencies.

We are asking Congress to take action to stop the FCC rush Vote on 7/14, which fast- tracks the release of the more harmful 5G infrastructure.

We are asking Congress to conduct a hearing to investigate the FCC actions/inactions and their disregard of public health; and to include testimony of those who have been injured by wireless in this hearing.

This is a public health and human rights crisis that must not be ignored. Ignoring a problem does not change the facts; it merely increases its scale and we already have an epidemic- scale problem.

The Facts About 5G & the FCC

Fact: 5G is Even More Harmful than Existing Wireless Infrastructure

5G will be making use of higher frequencies, known as "millimeter waves," which are more harmful to humans, without examination or consideration of the hazards. 5G frequencies are easily disrupted by physical interference; therefore, to overcome this limitation, a massive number of antennas will have to be positioned on almost every electric pole in the country, all utilizing higher frequencies. This deployment will significantly increase the radiation levels in the environment, making it impossible for anyone to escape this radiation, especially those who are already injured and cannot tolerate the radiation.

Fact: FCC Ignores Recent Government \$25 Million Study Proving Harms

The link between wireless and cancer / other harms was proven in a \$25 Million study by the National Toxicology Program; the scientists who conducted the research called to immediately warn the Public. The FCC is ignoring the study and instead, is trying to fast- track 5G. This study repeats what many previous research studies proved and supports the existing human evidence. More information about the study can be found on MicrowaveNews.com and the Wall Street Jounal.

Fact: FCC Ignores NIH Study Proving Wireless Causes Changes in Brain

The study led by Dr. Nora Walkow, Director of the National Institute on Drug Abuse, "Effects of Cell Phone Radiofrequency Signal Exposure on Brain Glucose", offers conclusive evidence that the FCC's claim that there are no biological effects of wireless technology is false.

The brain image (above) shows the levels of glucose in the brain (yellow) before (image on the right) and after (image on the left) cell phone use. The glucose levels shown in the left image are

significantly higher and found to be so especially in the areas closer to the antennas of the cell phone. This study reinforces previous studies that used other experimental approaches, and have found that microwave radiation alters cellular signaling pathways and brain activity. As glucose is the sole energy source of the brain, the study reinforces previous studies that have found that microwave radiation alters cellular signaling pathways and brain activity.

Fact: The FCC Cannot Be Trusted

Would you have wanted the head of the Tobacco Companies' Association to head the Agency that regulates it? Then why allow Tom Wheeler, who headed the CTIA, the wireless industry association, to head the FCC, the very same agency that regulates them?

Harvard University Center for Ethics wrote a report about the corruption of the FCC called: "Captured Agency: How the FCC is Dominated by the Industries It Presumably Regulates." This 5G vote is a clear proof...

FCC's 2013 declaration that it is going to review its "Safety" Standard, seems to be a sham. For more than 20 years, the FCC hasn't reviewed its "safety" Standards. In 2013, it announced a review of its "Safety" Standards and asked the public to submit comment. Approximately 1000 comments were submitted by scientists, and public health officials, as well as doctors' associations who represent the physicians who see the epidemic of sickness in their offices and clinics. The Attorney Generals of Boston and Philadelphia submitted a comment, calling the FCC to take immediate action to protect the injured and tell the public the truth. But, as the Wall Street Journal wrote in an article on 7/6, "The FCC opened a proceeding to study the current standards in 2013, but hasn't taken any action."

Fact: FCC Safety Testing is Ridiculous, Assuming Our Brains Are Water

The FCC "Safety" Standards are based on an assumption that was disproved decades ago, that non-ionizing radiation, like that emitted by wireless technology, is harmful only if it causes change in the temperature of the cells. Since wireless technology allegedly does not use levels that cause thermal change, the FCC claims it is not harmful, despite the fact that many thousands of studies, including the Government studies, have proven that it causes severe effects including the breakage of the DNA.

The FCC testing of cell phone safety is ridiculous. It assumes that the human brain is just liquid and tests for thermal change. This test was invented by engineers without biomedical understanding, and ignores the fact that our brain has nerves, blood vessels, chemical reactions, etc. Our brain is an electric system and therefore it is clear that it will be affected by electro-magnetic fields such as those emitted by wireless technology radiation, which is trillions of times higher than the levels to which our body evolved.

Facts about the Epidemic of Sickness

Fact: Already 10% of the Population Have Developed Electro-Sensitivity

Are you or your children are having pain in your head/ear and/or tingling in your hands when using a cell phone? If yes, then you have developed Electro-Sensitivity. According to numerous

surveys done by leading institutions up to 2006, at least 10% of people already suffer from symptoms of electromagnetic sensitivity/intolerance, a condition that develops with accumulated exposure to wireless radiation. Other symptoms include sleep disturbances, heart palpitations, nausea, exhaustion, tinnitus, cognitive problems, et al. These symptoms indicate severe biological harms. Research on 700 people who developed ES showed damage to their Blood Brain Barrier, immune and nervous systems and neurodegeneration.

The people and children who developed ES are ignored and their lives are a living hell. There is no place without radiation. Those people who have ES have no refuge and no place to live; many become refugees and live in inhuman conditions, in their cars and in the woods. One year ago, Jenny Fry, a 15 year old girl hanged herself from a tree because she could not tolerate the pain from the Wi-Fi in her school. This is a growing epidemic and a human rights crisis and everyone is looking the other way. In the picture: Jenny Fry, 15, Committed Suicide, she could not tolerate the pain of the Wi-Fi in school.

The most famous person who has developed ES is Gro Harlem Brundtland, the former Head of the World Health Organizations, former Prime Minister of Norway and a medical doctor in her profession.

Other people who developed ES: Matti Niemelä, Nokia's Chief Technology Officer Jeromy Johnson, a Silicon Valley Engineer; Prof. James McCaughan, A Physics Professor; Per Segerbäck, Ericcson Cell Phones Engineer; Dr. David McDonald, CSIRO (wireless company) scientis; Elizabeth Evans, an MD.

Fact: Wireless Causes Brain Tumors Epidemic

The Government NTP study proved that wireless radiation causes brain tumors; as well as confirming the results of previous studies, but this study supports the findings of other studies, including epidemiological studies. Data up to 2006 show that the rates of brain cancers associated with cell phone use doubled for adults, and now, ten years later, is probably higher. A study shows 780% increase in brain tumors in children; brain tumors are the # 1 killer of children and adolescents. In the picture: Jimmy Gonzales, Attorney, Died at 42, from 3 tumors from his cell phone.

Fact: Wireless causes Autism

In the past 10 years, the rate of Autism has increased exponentially from 1/1000 children to 1 in 65. Harvard Professor, Martha Herbert, a Pediatric Neurologist and Neuroscientist's paper "Autism and EMF? Plausibility of a pathophysiological link", establishes a correlation to wireless. Prof. Herbert said "I set up to write a paper with a modest length...and ended up producing a 60 page paper with 550 citations."

Fact: Wireless causes ADHD

In the past 10 years the number of children who suffer from ADHD doubled! Yale University Professor & Chair of Obstetrics, Gynecology, and ReproductiveSciences, Prof. Hugh Taylor, proved in his research that fetus exposure to wireless radiation affects Neurodevelopment and Behavior and cause ADHD.

Fact: Wireless Harms the Sperm and Reproductive Organs

In the past 10 years there has been a 40% reduction in sperm quality of males in all age groups all around the world, and 25% of couples are in fertility treatments. There are many dozens of studies including on humans that prove beyond doubt that wireless severely harms the sperm and reproductive organs.

Sincerely, Romy

Dear FCC Commissioners & House Tech & Comm Subcommittee Members and all, Spectrum Frontiers Proceeding is being represented as an unqualified good, but it is not. It will do great harm to human health and the environment.

Please vote "no" to the Spectrum Frontiers Proceeding. There has been no NEPA review of the environmental and human health impacts of moving forward with 5G. The FCC has put the cart before the horse in promulgating rules for 5G without first studying the safety of 5G for humans and the environment. There is consensus within the scientific community that the existing FCC limits for wireless radiation do not protect the population from biological effects (https://www.emfscientist.org) The National Toxicology Program recently release results showing that radiofrequency radiation (RFR) can indeed both break DNA and cause cancer (http://www.saferemr.com/2016/05/national-toxicology-progam-finds-cell.html and http://microwavenews.com/news-center/ntp-nyt).

Furthermore, the literature on RFR in the very high frequency bands required for 5G document DNA breakages, serious cellular resonance effects, and other detrimental metabolic effects (http://www.bioinitiative.org/report/wp-content/uploads/pdfs/sec15_2012_Evidence_Disruption_Modulation.pdf

and http://www.stopglobalwifi.org/documents/2001_kositsky_et_al_-ussr_review.pdf).

Non-industry funded studies have consistently found links between RFR and various negative biological effects (www.bioinitiative.org). They include serious neurological, cardiac, and metabolic effects, as well as DNA breakage which can lead to cancer and genetic defects (http://www.mainecoalitiontostopsmartmeters.org/?%20p=1469). Studies, including the National Toxicology Program studies, have shown wireless to be a dangerous technology and 5G, according to Chairman Wheeler's own comments, is an infrastructure intensive technology. So, invest in safe, wired infrastructure instead of spending a lot of money to saturate entire communities with hazardous radiation. The "cool" factor is not worth the peril. Please see "Wireless Technology Violates Human Rights"

(http://www.electricalpollution.com/documents/WirelessViolatesHumanRights2016.pdf) for more information about the very serious ways in which wireless technology violates human rights.

Don't vote to unleash a dangerous environmental pollutant on your friends, family, and, indeed, the whole country. Vote to protect your family, friends, and the country – vote "no" on Spectrum Frontiers. Be on the right side of history.

There are as many scientist who say wireless is harmful as those who say it isn't. Now you want to add more?

We went through the same thing with tobacco for decades.

Please err on the side of caution and vote no to 5G.

Just because industry reps for 5G who will benefit from it financially say it is easier, faster and better, does not in reality mean it will be safer, wiser and healthier which it won't! Scientists from all over the world are already speaking out against just 4G, smart meters, cell towers and telephones and more. I am electronically sensitive and will never own a cell phone, no matter how much fun their games and aps can be. I can link hundreds of articles from various individuals, groups, universities re how detrimental it is to all of us. You must vote NO GO on 5G until it has been proven safe, which I am sure it will not be.

Very sincerely!

Dear Government Officials:

I must urge you to reject the Proposed 5G Spectrum. It is toxic and dangerous as clearly demonstrated by the recent \$25 MILLION US Government study (National Toxicology Program) study linking wireless radiation and cancer & DNA damage. See report here.

This additional load of radiation add to the already poisonous soup that we are all exposed to every day including, air/water/food pollution, EMF so-called "smart meters", radiation from various medical testing and countless other sources of radiation and pollution in our environment.

You must re-think this. Just because it will benefit large corporations does not mean it benefits the American people. In truth, it harms us all, including you and your families.

Thank you,

Karen

To Whom it may concern,

I am a resident of New York State and I have been harmed by wireless technologies. Although the telecommunications industry claims that there are no dangers associated withe the use of cell phones, wifi, cell towers and smart meters, there is a wealth of studies that confirm that wireless technologies are indeed harmful to life and the environment, particularly, children and especially bees who are dying at alarming rates.

It is reckless for the FCC, which is not a health agency, to push for the introduction of 5G technology without any health or safety oversight. In light of many recent studies of the adverse health effects of cell phone use, it would be grossly irresponsible for 5G to be approved.

(See first link below)

The medical establishment advises us to err on the side of caution. All caution has apparently been thrown to the the wind by the recommendation of Tom Wheeler to push forward in approving 5G. Understandably, the telecommunications industry stands to profit greatly by the approval to roll out 5G technology at the expense of humans and the environment. Citizens have a right to not be exposed to a constant stream of wireless radiation in our communities, coming onto our properties and into our homes.

I consider it an outrage for any government representative or agency to consider approving a technology that has never been proven safe and has many studies showing that there is cause for concern.

Thousands have already been injured by wireless devices. We do not want the FCC to approve the release of yet another harmful and even more powerful technology. Please protect the health and safety of citizens and the environment. Do not approve the roll out of 5G technology. Wireless technologies have already been proven to be unsafe.

Thank you,

Toby

Dear FCC Commissioners,

Spectrum Frontiers Proceeding is being represented as an unqualified good, but it is not. It will do great harm to human health and to the environment.

Please vote "no" to the Spectrum Frontiers Proceeding. There has been no NEPA review of the environmental and human health impacts of moving forward with 5G. The FCC has put the cart before the horse in promulgating rules for 5G without first studying the safety of 5G for humans and the environment. There is consensus within the scientific community that the existing FCC limits for wireless radiation do not protect the population from biological effects (www.EMFscientist.org).

The National Toxicology Program recently released results showing that radiofrequency radiation (RFR) can indeed both break DNA and cause cancer

(http://www.saferemr.com/2016/05/national-toxicology-progam-finds-cell.html and http://microwavenews.com/news-center/ntp-nyt). Furthermore, the literature on RFR in the very high frequency bands required for 5G document DNA breakages, serious cellular resonance effects, and other detrimental metabolic effects

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Non-industry funded studies have consistently found links between RFR and various negative biological effects (www.bioinitiative.org). They include serious neurological, cardiac, and metabolic effects, as well as DNA breakage which can lead to cancer and genetic defects (http://www.mainecoalitiontostopsmartmeters.org/?p=1469).

My family has already experienced harm from the rapidly rising ambient levels of RFR. The rising ambient RFR levels, due to the recent wireless insanity, are already causing my family to experience symptoms of Radiofrequency Sickness. I get cardiac arrhythmias and am functionally impaired by RFR in multiple ways. I experience high blood pressure and increased insulin resistance when I am exposed to RFR, in addition to other symptoms.

The rapidly increasing RFR levels has totally impacted ability to earn a living. I used to have a psychotherapy office in San Francisco and I am no longer able to do so due to the rising ambient RFR levels causing serious neurological symptoms and crippling fatigue. The symptoms disappear when I am in low EMF areas. I have had to close my practice and move to the country on SSI. (The levels outside the home where I rent a room are hundreds to thousands of times lower than the nearby small city. Even so I can tell the improvement in my health when I am inside my shielded home where the levels are a third to a tenth the ambient outside levels and peaks are reduced by over half.)

RFR has been shown to cause oxidative damage

(http://www.ncbi.nlm.nih.gov/pubmed/26151230). If my experience is any indicator, the FCC is directly responsible for those deaths by promoting a dangerous technology in complete disregard of the science and the scientists who are calling for biologically-based population-protective RFR safety limits. This willful disregard of the consequences is a violation of our human rights and the Nuremberg Code of Ethics, please read "Wireless Technology Violates Human Rights,"

attached and at

http://www.electricalpollution.com/documents/WirelessViolatesHumanRights2016.pdf.

Studies, including the National Toxicology Program studies, have shown wireless to be a dangerous technology and 5G, according to Chairman Wheeler's own comments, is an infrastructure intensive technology. So, invest in safe, wired infrastructure instead of spending a lot of money to saturate entire communities with hazardous radiation. The "cool" factor is not worth the peril.

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Sincerely,

Jane

No one wants this. Strangers aren't allowed to walk up to me and blow cigarette smoke in my face, so why should I have forced upon me, perpetual exposure to 5G manmade, pulse-modulated wireless radiation, which is a known carcinogen? What the hell are you people thinking? I'm very ill from smart meters, homeless, blacking out, having seizures and 104F fevers every time I go near them. I have to sleep in the woods. Children are at high risk for RF poisoning by universal wireless, smart meters, cell phone towers, etc., b/c their cells divide at a 3x faster rate than those of adults, & b/c their skulls are thinner than those of adults. They absorb 152% more wireless radiation than adults. What the heck are you thinking? It is criminal to even entertain the notion of putting artificial, pulse-modulated radiation ubiquitously. This is the unnecessary for the unwilling, & you will be held accountable. -E. Drew

Hello Decision Maker,

If you are not a researcher into the health impacts of electromagnetic frequencies, then would you please listen to Joel M. Moskowitz, Ph.D., Director, Center for Family and Community Health, School of Public Health, UC Berkeley:

"The FCC should commission an independent review of the biologic and health research to determine whether the RF standards should be modified before allowing additional spectrum to be used for new commercial applications."

These 33 words are all you need to vote no on 5G.

Frankly, research shows that citizens contacting their elected representatives in Congress are wasting their time if lobbyists are pushing the other side.

No doubt you're tired of the ceaseless effort required to be reelected. No more excuses; you have the power to establish public financing of elections!

Meanwhile, think of your grandkids and vote NO on 5G.

We are all in this together.

Lauren

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I am writing you as a concerned citizen in advance of the vote tomorrow by the House Subcommittee on Communications and Technology on proposed rules related to the new 5G technology. This is an important vote since this new technology will impact us all in a very serious way.

As I understand it, FCC Chairman Tom Wheeler wants virtually everything to be connected via 5G--despite the fact that no testing has been done to determine the effects of the new 5G technology frequencies on human health or the environment.

In view of the fact that 5G's effects on human health and the environment have not been studied or taken into consideration, I strongly urge a "no" vote on the Spectrum Frontiers Proceeding. Please don't advocate rushing "out of the gate" to facilitate the widespread implementation of this new technology until all of its effects are studied.

Thank you.

I am writing with urgency, asking for your help to make sure that the voice of all children, indeed all living beings, is heard when the vote comes up related to Spectrum Frontier and 5G. Please do what you can to halt this disastrous intrusion into the electromagnetic fabric of all life on our planet.

I am sure you have a great deal of scientific data to support a NO vote, so I will not add to verbage. I only ask that you help all lawmakers who would vote on this direction to have the information they need, and the ear to hear informed citizens, including the medical community, who value our children and our planet's future over our amped-up downloads.

Kind regards,

Joy

Dear Legislators,

Please grab a cup of coffee or tea, this is extremely important and requires your help:

Three years ago an electrical engineering friend mentioned there could be biological harm from wi-fi and cellular technology. I investigated this extensively, and found thousands of peer-reviewed, published scientific studies from all over the world indicating vast biological harm but the FCC has suppressed this from the public (see Harvard University's Captured Agency report).

I worked with my public school district, which did its due diligence to understand this issue, and we have become the <u>first in the nation</u> to put precautionary measures in place to protect our students and staff. I now get calls from parents all over the country looking to do the same after discovering wireless technology in schools, at home and elsewhere has given their children searing headaches, nose and ear bleeds, tinnitus, skin rashes, inability to concentrate, behavior issues, sleep problems and more. When they hard-wire, turn off the wi-fi, or put devices in airplane mode the symptoms have resolved over time for most. These are just the short-term effects of electrohypersensitivity (EHS); long-term exposure to wi-fi is being shown to cause cancer, infertility, heart disease, DNA damage and more.

My hope is you will do what you can to stall the FCC's push to become the first-to-market with 5G -- they're planning to move forward in July and it will put even more wi-fi antennas in our neighborhoods. Yet, just last month the U.S. National Toxicology Program released partial findings from a \$25 million study on cell phone radiation: they confirmed it is carcinogenic. That means all wi-fi is too as it operates off of the same electromagnetic radiation.

The NTP informed the FCC, but Tom Wheeler is still intent on rolling out 5G, which will put even more radiation load on the unwitting public. He suppressed evidence of harm back in the 1990s when the first oncologist declared his patient died from brain tumors that aligned with the antennas in her cell phone, and he remains committed to corporate profit over public health today. Hear it directly from the scientist who lead the research for Mr. Wheeler back in the 1990s -- Mr. Wheeler went on to discredit Dr. Carlo and never told the public. If you've seen Will Smith's recent movie, "Concussion", the same is happening with wireless technology as the NFL suppressing evidence of harm, trying to silence the scientists, and creating doubt among the public.

If this topic is new to you, the following 33-minute video with my local Board of Health will bring you up to speed. All of the documents I reference are included in the Comments section under the YouTube video. It will take time to absorb all of this if you are unfamiliar with wi-fi operating off of two-way microwave radiation, but I implore you, please do your independent research and stop the FCC from rolling out 5G until technology can be made biologically safe.

https://www.youtube.com/watch?v=9T-4Aj6gb7A

Former Microsoft Canada President Frank Clegg assures us we can still have technology, but it must and can be made to be safe. See below for a briefing he and top U.S. scientist Dr. Devra Davis gave to the Massachusetts legislature:

https://vimeo.com/134411701

We are all guilty of adopting wi-fi without understanding how it works; now that we do, it is our responsibility to ourselves, our children and future generations to act today to put it right. Please do your part as our public servants and make it a priority to come up to speed on this issue. Please reach out if I can provide additional information.

Sincerely,

Cecelia Doucette 31 Fatima Drive Ashland, MA 01721 508-881-3878

Dear FCC Commissioners,

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Please vote "no" to the Spectrum Frontiers Proceeding. There has been no NEPA review of the environmental and human health impacts of moving forward with 5G. The FCC has put the cart before the horse in promulgating rules for 5G without first studying the safety of 5G for humans and the environment. There is consensus within the scientific community that the existing FCC limits for wireless radiation do not protect the population from biological effects (www.EMFscientist.org).

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My family has already experienced harm from the rapidly rising ambient levels of RFR. I am attaching the comment that I submitted to FCC 13-39. The rising ambient RFR levels, due to the recent wireless insanity, are already causing my family to experience symptoms of Radiofrequency Sickness. My sons get cardiac arrhythmias. My wife is functionally impaired by RFR in multiple ways. I experience high blood sugar and increased insulin resistance when I am exposed to RFR, in addition to other symptoms.

The rapidly increasing RFR levels is impacting our ability to earn a living. I used to vend at farmers markets in Madison and I am no longer able to do so due to the rising ambient RFR levels causing serious neurological symptoms suggestive of incipient ALS. The symptoms disappeared at the end of market season when I was able to spend time at my shielded home in much lower ambient RFR levels. (The levels outside our home are hundreds to thousands of times lower than ambient Madison levels. Even so I can tell the improvement in my health when I am inside my shielded home where the levels are a third to a tenth the ambient outside levels and peaks are reduced by over half.) ALS is a progressive fatal neurological disorder whose incidence is increasing

(https://wwwn.cdc.gov/als/Download/Neurol%20Clin_ALS_Risk_Factors_2015.pdf). ALS is being linked to factors including oxidative damage (positively linked to smoking which causes oxidative damage), EMF exposure, and military service which would entail high levels of RFR exposure. RFR has been shown to cause oxidative damage

(http://www.ncbi.nlm.nih.gov/pubmed/26151230). If my experience is any indicator, the FCC is directly responsible for those deaths by promoting a dangerous technology in complete disregard of the science and the scientists who are calling for biologically-based population-protective RFR safety limits. This willful disregard of the consequences is a violation of our human rights and the Nuremberg Code of Ethics, please read "Wireless Technology Violates Human Rights," attached and at

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lot of money to saturate entire communities with hazardous radiation. The "cool" factor is not worth the peril.

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Sincerely,

S

Dear Decision Maker,

The NTP animals studies found exposure to CDMA and GSM cellphone modulation resulted in brain cancer (glial cells mutated to glioma) and nerve tumors (Schwann cells mutated to Schwannoma).

This is consistent to finding used

by the World Health Organization's International Agency for Research on Cancer (IARC) which declared radio frequency radiation (RFR) a Group 2B (possible) Human Carcinogen in 2011. IARC made this declaration based on two independent case-control t studies of two types of cancer that found statistically significant risks for brain cancer and for vestibular Schwannoma (also known as an acoustic neuroma--a tumor on the hearing nerve).

IARC chose the Group 2B (possible) Human Carcinogen because there were insufficient animal studies. The results of the NTP study is a game change. IARC must (according to their well-defined procedures) upgrade its previous RFR declaration to a Group 2A (probable) Human Carcinogen or even to a Group 1 Human Carcinogen. However, this is likely to take several years.

The NTP needs to repeat their animal studies using exposures from UMTS and LTE modulation (3rd and 4th generation cellphones). Because the equipment was destroyed new exposure equipment must be built. The whole process will take 4 years or more. Why must this be done? Because the average radiated power of UMTS phones is 1,000 times lower than GSM phones, yet the risk of brain cancer per 100 hours of UMTS phones is 3.4 times higher than use of GSM phones. The reason for this appears to be that UMTS modulation inhibits DNA repair genes. Thus UMTS is likely to be even more carcinogenic than CDMA or GSM.

5th generation modulation should not be introduced without prior NTP animal studies showing there is no health risk.

Sincerely, Rosemarie